EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|------------|------|--------------------------------------------------------|-------------------------------------------------------------------------|---------------------|---------|---------------------|
| S1 | 2 | "6371857".pn. or "5168773".pn. | USPAT | OR | ON | 2009/04/01 12:57 |
| S2 | 115 | rohs-ulrich.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/01 13:03 |
| S 3 | 48 | S2 and damp\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/01 13:03 |
| S4 | 62 | rohs-voigt.as. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/01 13:13 |
| S5 | 50 | S4 not S3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/01 13:13 |
| S6 | 2 | S5 and (dual adj mass) and damp\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/01 13:14 |
| S7 | 105 | (dual adj mass) and damp \$3 and spring and guid\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/01 13:16 |
| S8 | 104 | S7 not (S3 S5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/01 13:17 |

| S9 | 326 | 464/68.41.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 13:30 |
|-----|-----|-----------------------------------------------------------------------------------------------|---------------------------|----|----|---------------------|
| S10 | 318 | S9 not (S3 S5 S8) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 13:32 |
| S11 | 293 | S10 and (friction\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 13:43 |
| S12 | 77 | S11 and (hold-down or rub \$3 or drag\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 13:46 |
| S13 | 88 | S11 and (hold-down or rub \$4 or drag\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 13:46 |
| S14 | 5 | ("4212380" "5238096" "5890576" "5988343" "6056103").PN. OR ("7134963").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 13:48 |
| S15 | 205 | 74/574.3.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 13:59 |
| S16 | 1 | S15 and (dual adj mass) and damp\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 14:00 |
| S17 | 0 | S16 not (S3 S5 S8 S10 S13) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 14:00 |
| S18 | 365 | 74/574.4.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 14:01 |
| S19 | 10 | S18 and (dual adj mass) and damp\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 14:01 |
| S20 | 5 | S19 not (S3 S5 S8 S10 S13 S17) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 14:01 |
| S21 | 554 | 192/70.17.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 14:02 |
| S22 | 25 | S21 and (dual adj mass) and damp\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 14:03 |
| S23 | 12 | S22 not (S3 S5 S8 S10 S13 S17 S20) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 14:03 |
| S24 | 164 | 192/55.61.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 14:05 |
| S25 | 16 | S24 and (dual adj mass) and damp\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 14:05 |
| S26 | 7 | S25 not (S3 S5 S8 S10 S13 S17 S20 S23) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 14:06 |
| S27 | 412 | 192/212.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 14:07 |
| S28 | 16 | S27 and (dual adj mass) and damp\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 14:07 |
| S29 | 4 | S28 not (S3 S5 S8 S10 S13 S17 S20 S23 S26) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 14:07 |
| S30 | 172 | 192/214.1.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 14:08 |

| S31 | 5 | S30 and (dual adj mass) and damp\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 14:08 |
|-----|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----|----|---------------------|
| S32 | 2 | S31 not (S3 S5 S8 S10 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 14:08 |
| S33 | 1836 | S9 or S15 or S18 or S21 or S24 or S27 or S30 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 14:10 |
| S34 | 194 | S33 and ((two or divided or twin) adj (mass or flywheel)) and damp\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 14:11 |
| S35 | 115 | S34 not (S3 S5 S8 S10 S13 S17 S20 S23 S26 S29 S32) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 14:11 |
| S36 | 36 | S35 and (hold-down or rub \$4 or drag\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/01 14:12 |
| S37 | 17 | (US-20080119293-\$ or US-20050014564-\$ or US-20010046898-\$).did. or (US-6371857-\$ or US-5168773-\$ or US-7077752-\$ or US-6416416-\$ or US-6364775-\$ or US-6286390-\$ or US-6171193-\$ or US-6110046-\$ or US-5863253-\$ or US-7134963-\$ or US-5072818-\$).did. | US-PGPUB; USPAT | OR | ON | 2009/04/01 14:19 |
| S38 | 0 | S37 and (fly adj ring) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/04/01 14:19 |
| S39 | 18 | | US-PGPUB; USPAT | OR | ON | 2009/04/01 14:20 |
| S40 | 1 | S39 and (fly adj ring) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/04/01 14:20 |

| S41 | 118 | rohs-ulrich.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/08 13:50 |
|-----|-----|---------------------------------------|-------------------------------------------------------------------------|----|----|---------------------|
| S42 | 1 | (US-20070193404-\$).did. | US-PGPUB | OR | ON | 2009/07/08 13:51 |
| S43 | 1 | S42 and steel | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/08 13:51 |
| S44 | 6 | rohs-ulrich.in. and @pd>"20090401" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/15 08:27 |
| S45 | 9 | rohs-voigt.as. and @pd>"20090401" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/15 08:30 |
| S46 | 8 | S45 not S44 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/15 08:31 |
| S47 | 14 | S44 or S46 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/15 09:12 |
| S48 | 121 | rohs-ulrich.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/15 09:14 |
| S49 | 0 | S47 and 20% | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/15 09:16 |

| S50 | 1 | S48 and 20% | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/15 09:16 |
|-----|----|---------------------------------------|-------------------------------------------------------------------------|----|----|---------------------|
| S51 | 22 | 42.7 | US-PGPUB; USPAT; DERWENT | OR | | 2009/09/15 09:18 |
| S52 | 1 | S51 and 20% | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/15 09:19 |
| S53 | 1 | 464/68.41.ccls. and @pd>"20090401" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:20 |
| S54 | 0 | S53 and 20% | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/15 09:20 |
| S55 | 1 | 74/574.3.ccls. and @pd>"20090401" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:21 |
| S56 | 0 | S55 and 20% | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/15 09:21 |
| S57 | 1 | 74/574.4.ccls. and @pd>"20090401" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:21 |
| S58 | 0 | S57 and 20% | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/15 09:22 |

| S59 | 8 | 192/70.17.ccls. and @pd> "20090401" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:22 |
|-----|----|------------------------------------------------------|-------------------------------------------------------------------------|----|----|---------------------|
| S60 | 7 | S59 not (S44 S46 S50 S52 S53 S55 S57) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:23 |
| S61 | 0 | S59 and 20% | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/15 09:23 |
| S62 | 1 | 192/55.61.ccls. and @pd>"20090401" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:23 |
| S63 | 0 | S62 not (S44 S46 S50 S52 S53 S55 S57 S60) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:24 |
| S64 | 0 | S62 and 20% | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/15 09:24 |
| S65 | 1 | 192/212.ccls. and @pd>"20090401" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:24 |
| S66 | 0 | S65 not (S44 S46 S50 S52 S53 S55 S57 S60 S63) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:24 |
| S67 | 0 | S65 and 20% | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/15 09:25 |
| S68 | 2 | 192/214.1.ccls. and @pd>"20090401" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:25 |
| S69 | 1 | S68 not (S44 S46 S50 S52 S53 S55 S57 S60 S63 S66) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:25 |
| S70 | 0 | S68 and 20% | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/15 09:26 |
| S71 | 3 | 464/68.41.ccls. and 20% | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:26 |
| S72 | 3 | 74/574.3.cds. and 20% | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:27 |
| S73 | 3 | S72 not S71 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:28 |
| S74 | 10 | 74/574.4.ccls. and 20% | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:28 |

| S75 | 10 | S74 not (S71 S73) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:29 |
|-----|------|--------------------------------------------------|---------------------------|----|----|---------------------|
| S76 | 4 | 192/70.17.ccls. and 20% | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:31 |
| S77 | 4 | S76 not (S71 S73 S75) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:31 |
| S78 | 3 | 192/55.61.ccls. and 20% | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:33 |
| S79 | 0 | S78 not (S71 S73 S75 S77) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:33 |
| S80 | 3 | 192/212.ccls. and 20% | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:33 |
| S81 | 3 | S80 not (S71 S73 S75 S77 S79) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:33 |
| S82 | 0 | 192/214.1.ccls. and 20% | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:34 |
| S83 | 9800 | 464/51-101.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:35 |
| S84 | 50 | S83 and 20% | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:36 |
| S85 | 42 | S84 not (S71 S73 S75 S77 S79 S81) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:36 |
| S86 | 4 | S85 and dual | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:36 |
| S87 | 327 | 464/68.41.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:40 |
| S88 | 206 | 74/574.3.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:40 |
| S89 | 366 | 74/574.4.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:40 |
| S90 | 562 | 192/70.17.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:40 |
| S91 | 165 | 192/55.61.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:40 |
| S92 | 413 | 192/212.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:40 |
| S93 | 174 | 192/214.1.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:40 |
| S94 | 1847 | S87 or S88 or S89 or S90 or S91 or S92 or S93 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:40 |
| S95 | 10 | S94 and 10% | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 09:40 |
| S96 | 3 | S94 and (rectilinear adj spring) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 10:05 |
| S97 | 2 | S94 and (frictional adj damper) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 10:32 |

| S98 | 0 | (dual adj (mass or flywheel)) and damp\$3 and spring and guid\$3 and ((frictional adj damp\$3) with outward\$2) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/15 10:33 |
|------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----|-----|---------------------|
| S99 | 19 | (dual adj (mass or flywheel)) and damp\$3 and spring and guid\$3 and (damp\$3 with outward\$2) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/15 10:34 |
| S100 | 226 | 192/213.2-213.22.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/15 10:39 |
| S101 | 6 | S100 and (dual adj (mass or flywheel)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/09/15 10:39 |
| S102 | 11 | ("5105681" "5156249" "5307710" "5382193" "5601002" "5624317" "5878856").PN. OR ("6047804").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 10:44 |
| S103 | 1 | ("6244962").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/15 11:25 |
| S104 | 15 | ("2356940" "2643109" "4518071" "4679678" "4789375" "4891033" "5004088" "5052664" "5289737" "5769722"). PN. OR ("6244962"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 11:26 |
| S105 | 1 | ("6216838").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/15 11:27 |
| S106 | 3 | ("4240532" "5651442" "5762558").PN. OR ("6216838").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 11:27 |
| S107 | 1127 | 192/212-214.1.œls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 11:29 |
| S108 | 381 | S107 and wear | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 11:30 |
| S109 | 106 | S107 and (wear with contact) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 11:30 |
| S110 | 20 | S107 and ((wear near3 spring) with contact) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 11:45 |

| S111 | 2 | S107 and (wear with (contact near3 edge)) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 12:12 |
|------|----|----------------------------------------------------------------------------------------------------------------|---------------------------|----|----|---------------------|
| S112 | 23 | ("2002115" "4347717" "4530673" "4690257" "4722715" "4838395"). PN. OR ("5092820"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/09/15 12:25 |

EAST Search History (Interference)

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9/15/09 12:52:51 PM

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